Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO
RICHARD F. CELESTE, *Governor*
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EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
OCTOBER 1983

Summary: Unemployment in Ohio decreased from 568,000 in September to 550,000 in October, lowering the jobless rate from 11.1 to 10.6 percent of the civilian labor force. Total employment rose 1.6 percent, to 4,626,000. Nonfarm payroll employment advanced .3 percent, to 4,181,000, due chiefly to stepped-up automotive production and seasonal gains in education.

Factory employment: Employment in Ohio's manufacturing industries totaled 1,114,000 in October, .5 percent above the previous month. Recalls from prior layoffs, augmented by the reopening of a large assembly plant following a temporary shutdown, boosted employment in motor vehicle production to its highest level in over two years. Suppliers of automotive stampings and wire also reported recalls. More orders led to gains in basic steel production, and in the manufacture of plastic products and electrical industrial apparatus. Food processing, on the other hand, declined seasonally, while disputes lowered employment in the production of aircraft components.

Nonmanufacturing employment: Nonmanufacturing establishments in Ohio employed 3,067,000 workers in October, up .3 percent from September. Hiring among state and local schools boosted government, although cutbacks were reported in several noneducational agencies. Employment among private schools and general merchandise stores also increased seasonally. Gains were moderated, however, as many warm-weather businesses--amusement parks, drive-ins, outdoor refreshments--curtailed operations for the winter.

Factory earnings: Average weekly earnings of Ohio's factory production workers rose $5 from September's record level to a new all-time high of $453 in October. The average workweek, at 42.2 hours, was fractionally longer. Producers of motor vehicles and automotive components reported increased overtime in October. More overtime also boosted earnings in petroleum refining and commercial printing. Lower averages in fabricated structural metals, however, were attributable to overtime curtailments. Shorter workweeks were reported in food canning, following last month's seasonal peak.

Over the year: The number of jobless Ohicans dropped by over 130,000 between October 1982 and October 1983, lowering the rate of unemployment from 13.2 to 10.6 percent. Total employment climbed 2.9 percent over the year, while nonfarm payroll employment advanced 1.0 percent. Spurred by gains in transportation equipment and fabricated metals, manufacturing rose nearly four percent--41,000 jobs--from its year-earlier level. Nonmanufacturing remained on par with October 1982 as cutbacks in retailing, transportation, and utilities moderated gains in the service industries. Production workers in Ohio factories grossed nearly $49 more per week in October 1983 than in October 1982, largely reflecting the curtailed production schedules and sub-40-hour workweeks reported a year ago.

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EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--October wage and salary employment in Akron nonagricultural industries, at 255,600, was 500 below September. The decline occurred in nonmanufacturing, as cutbacks in services and retailing were moderated by seasonal expansion in higher education. Manufacturing employment increased by 200, to 68,200 in October. Production workers in factories grossed $10.72 per hour for a workweek of 43.3 hours, compared with $10.61 and 43.5 hours in September.

Canton.--Employment in Canton nonfarm industries totaled 150,100 in October--little changed from September. Manufacturing declined by 400, to 46,300, due to layoffs in primary metals. Nonmanufacturing advanced, however, as seasonal hiring in public schools more than offset declines in retailing. Factory production workers averaged 40.5 hours per week in October, down .3 hours from September. Their hourly earnings, at $10.83, were little changed.

Cincinnati.--Nonagricultural wage and salary employment in Cincinnati rose 3,900 from September, to 582,100 in October. Recalls of auto workers boosted factory employment to 148,800, up 2,900 from September. Seasonal hiring among schools and colleges lifted nonmanufacturing despite shrinkage in services and retailing. Average earnings of manufacturing production workers, at $10.27 per hour, were 17¢ above September. The average workweek--41.4 hours--was fractionally longer.

Cleveland.--Employment in Cleveland nonfarm industries rose 700 from September, to 837,300 in October. Scattered gains--concentrated among durable-goods producers--boosted manufacturing by 900, to 215,400. In nonmanufacturing, layoffs of nonschool employees in local government were moderated by seasonal growth in school and college employment. Manufacturing production workers grossed $10.58 per hour for a workweek of 41.9 hours, slightly above September averages.

Columbus.--Nonagricultural wage and salary employment in Columbus, at 513,600 in October, was up 8,400 from September. Seasonal expansion in public and private schools and colleges boosted nonmanufacturing. Factory employment rose 1,300, to 90,400, with small-to-moderate gains reported throughout the durable-goods sector. Weekly hours and gross hourly earnings for manufacturing production workers, at 41.0 hours and $10.13 in October, were .2 hours and 7¢ above September averages.

Dayton.--Payroll employment in Dayton nonagricultural industries, at 341,700 in October, was 1,400 above September. Most of the increase occurred in nonmanufacturing, due to seasonal hiring among schools and colleges. Manufacturing employment rose fractionally, to 89,200. Production workers in factories averaged $10.90 per hour, up 10¢ from September. Their average workweek was unchanged, at 43.0 hours.

Toledo.--Nonagricultural wage and salary employment in Toledo, at 291,700 in October, was 2,400 above September. Seasonal hiring among schools and colleges boosted nonmanufacturing. Factory employment advanced 200, to 73,500 in October. Expansion in motor vehicles was offset by release of temporary cannery workers. Hourly earnings and weekly hours of factory production workers--$11.51 and 44.3 hours--were 11¢ and .4 hours above September averages.

Youngstown-Warren.--Employment in Youngstown-Warren nonfarm industries slipped 500 from September, to 185,800 in October. In nonmanufacturing, shrinkage in services and retailing was moderated by seasonal hiring among schools and colleges. Factory employment totaled 56,500, little changed from September, as recalls in primary metals were offset by labor-management disputes in transportation equipment. The workweek and hourly earnings of factory production workers, at 44.0 hours and $12.60 per hour, were 1.6 hours and 20¢ above September averages.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 11-17-83

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.6	156.6	592.2	880.7	506.6	352.5	290.9	198.7
1982	250.8	149.7	575.5	847.5	497.9	337.0	282.2	182.2
1982								
October .	252.5	148.3	579.0	842.3	503.5	338.1	285.5	180.9
November.	251.7	147.9	576.9	840.5	503.8	335.7	284.6	177.3
December.	250.4	147.3	574.8	837.3	504.0	336.4	282.8	177.8
1983								
January .	243.4	144.5	561.1	815.6	491.5	330.3	277.4	175.6
February.	245.9	144.6	558.8	816.5	492.0	330.6	275.8	176.2
March ...	247.0	145.0	561.7	820.8	494.2	332.3	274.4	179.5
April ...	248.9	146.6	570.4	825.8	497.9	334.0	279.8	181.0
May	251.5	148.1	574.4	831.3	501.4	335.6	284.4	183.5
June	247.5	149.0	576.4	840.2	504.2	337.0	283.1	183.2
July	250.2	148.7	570.7	834.5	498.5	330.8	279.5	182.8
August ..	249.1	148.0	569.6	827.4	496.8	330.8	279.5	181.3
September	256.1	150.3	578.2	836.6	505.2	340.3	289.4	186.3
October .	255.6	150.1	582.1	837.3	513.6	341.7	291.7	185.8
	MANUFACTURING EMPLOYMENT (in thousands)							
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.1	55.7	162.4	254.9	96.8	99.4	75.4	70.8
1981	75.7	54.8	157.3	246.8	93.1	97.8	74.6	67.3
1982	68.8	48.2	147.2	224.1	86.7	87.9	68.8	53.4
1982								
October .	67.4	45.8	147.0	216.1	86.3	85.8	67.4	51.4
November.	66.5	45.2	147.0	213.7	85.7	82.9	66.8	47.6
December.	65.3	44.7	145.0	210.3	84.6	83.4	65.4	48.6
1983								
January .	66.2	45.0	143.8	210.3	84.7	84.0	66.4	50.0
February.	67.1	45.3	142.6	210.5	85.8	84.7	65.5	50.9
March ...	67.0	45.2	142.7	210.7	85.9	85.1	62.7	53.7
April ...	67.3	45.3	143.8	210.8	86.6	85.8	66.2	54.3
May	67.2	45.7	143.6	211.4	86.9	86.2	68.3	54.8
June	67.0	46.4	145.0	212.4	87.2	86.5	69.4	54.3
July	67.6	46.4	144.5	210.8	87.2	85.7	69.4	55.0
August ..	67.7	46.1	146.4	211.1	88.0	86.6	70.5	54.3
September	68.0	46.6	145.9	214.6	89.0	89.1	73.3	56.4
October .	68.2	46.3	148.8	215.4	90.4	89.2	73.5	56.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j]Youngstown-Warren includes Mahoning and Trumbull Counties.

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Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.7	39.6	103.5	161.8	61.3	64.4	49.2	50.8
1982	37.2	33.7	96.1	142.5	55.6	55.8	45.1	38.5
1982								
October .	36.2	31.8	96.4	136.6	55.0	54.1	44.2	36.6
November.	35.3	31.4	96.5	135.0	54.3	51.4	43.8	33.5
December.	34.5	30.8	94.5	132.1	53.4	52.1	42.5	34.3
1983								
January .	35.4	31.2	93.3	132.0	53.6	52.6	43.5	35.6
February.	36.2	31.5	92.2	132.4	54.6	53.3	42.7	36.4
March ...	36.2	31.6	92.4	132.7	54.7	53.7	40.0	39.0
April ...	36.7	31.6	93.3	133.2	55.4	54.4	43.5	39.6
May	36.7	32.0	93.1	134.2	55.7	54.8	45.5	40.1
June	36.4	32.7	94.1	135.2	56.1	55.1	46.5	40.0
July	36.9	32.7	93.8	133.3	56.0	54.0	46.4	40.6
August ..	37.2	32.5	95.7	134.1	56.7	54.7	47.6	39.7
September	37.5	33.0	95.3	137.8	57.6	57.3	50.1	42.0
October .	37.7	32.6	98.0	138.7	58.8	57.6	50.3	42.0
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1982	41.0	38.6	40.5	39.9	39.8	40.0	41.1	39.3
1982								
October .	40.5	38.3	40.2	39.2	39.7	39.3	41.3	39.3
November.	41.2	38.3	41.4	39.2	40.3	39.2	41.3	39.6
December.	41.6	39.1	41.5	39.9	40.5	40.3	41.1	40.3
1983								
January .	42.5	38.7	40.4	39.8	39.9	40.0	41.5	40.1
February.	42.5	38.6	40.4	39.8	40.0	40.2	41.6	40.6
March ...	43.3	39.1	40.8	40.1	40.4	40.8	42.0	41.1
April ...	42.5	39.5	40.8	40.4	40.2	41.1	42.5	41.3
May	42.6	38.9	40.8	40.6	40.3	41.1	42.7	42.4
June	42.3	39.8	41.3	41.3	40.8	42.0	42.2	41.4
July	42.4	38.8	40.9	40.6	40.5	42.1	41.9	42.7
August ..	42.9	39.2	40.8	41.0	40.5	42.1	42.6	41.3
September	43.5	40.8	41.3	41.7	40.8	43.0	43.9	42.4
October .	43.3	40.5	41.4	41.9	41.0	43.0	44.3	44.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j]Youngstown-Warren includes Mahoning and Trumbull Counties. [k]Not comparable to prior data due to change in sample composition.

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EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1972	$ 4.68	$ 4.48	$ 4.15	$ 4.50	$ 4.06	$ 4.74	$ 4.67	$ 4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1982	9.83	10.22	9.57	10.10	9.31	10.02	10.89	11.72
1982								
October .	9.92	10.46	9.65	10.15	9.49	10.01	11.01	11.58
November.	9.95	10.44	9.78	10.19	9.50	9.89	11.01	11.65
December.	10.06	10.52	9.84	10.26	9.57	10.05	11.00	12.01
1983								
January .	10.21	10.56	9.85	10.29	9.62	10.16	11.10	12.00
February.	10.21	10.62	9.93	10.28	9.70	10.23	11.12	12.22
March ...	10.34	10.41	10.01	10.25	9.76	10.31	10.99	12.21
April ...	10.24	10.39	10.06	10.31	9.87	10.35	11.14	12.22
May	10.35	10.53	10.10	10.42	9.90	10.47	11.29	12.45
June	10.34	10.63	10.11	10.49	10.01	10.56	11.14	12.33
July	10.35	10.59	10.12	10.43	10.04	10.72	11.16	12.54
August ..	10.40	10.75	10.18	10.42	9.95	10.58	11.25	12.25
September	10.61	10.84	10.10	10.57	10.06	10.80	11.40	12.40
October .	10.72	10.83	10.27	10.58	10.13	10.90	11.51	12.60
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1972	$197.03	$181.89	$173.89	$190.35	$164.02	$201.45	$196.14	$201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.65	406.14	474.10
1982	403.03	394.49	387.59	402.99	370.54	400.80	447.58	460.60
1982								
October .	401.76	400.62	387.93	397.88	376.75	393.39	454.71	455.09
November.	409.94	399.85	404.89	399.45	382.85	387.69	454.71	461.34
December.	418.50	411.33	408.36	409.37	387.59	405.02	452.10	484.00
1983								
January .	433.93	408.67	397.94	409.54	383.84	406.40	460.65	481.20
February.	433.93	409.93	401.17	409.14	388.00	411.25	462.99	496.13
March ...	447.72	407.03	408.41	411.03	394.30	420.65	461.58	501.83
April ...	435.20	410.41	410.45	416.52	396.77	425.39	473.45	504.69
May	440.31	409.62	412.08	423.05	398.97	430.32	482.08	527.88
June	437.38	423.07	417.54	433.24	408.41	443.52	470.11	510.46
July	438.84	410.89	413.91	423.46	406.62	451.31	467.60	535.46
August ..	446.16	421.40	415.34	427.22	402.98	445.42	479.25	505.93
September	461.54	442.27	417.13	440.77	410.45	464.40	500.46	525.76
October .	464.18	438.62	425.18	443.30	415.33	468.70	509.89	554.40

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CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
AKRON[b]				
1972	282.2	267.3	14.8	5.3
1973	287.1	274.9	12.2	4.3
1974	290.8	277.7	13.0	4.5
1975	292.0	264.3	27.7	9.5
1976	291.3	266.3	25.0	8.6
1977	294.2	274.7	19.5	6.6
1978	298.9	282.2	16.7	5.6
1979	303.8	285.4	18.4	6.1
1980	304.5	278.3	26.2	8.6
1981	304.1	274.9	29.1	9.6
1982	305.8	269.4	36.4	11.9
1982				
September	308.5	272.2	36.3	11.8
October	309.3	271.0	38.3	12.4
November	304.7	264.7	39.9	13.1
December	304.5	262.9	41.6	13.7
1983				
January	296.9	252.3	44.6	15.0
February	297.1	254.7	42.5	14.3
March	301.8	261.4	40.4	13.4
April	306.7	267.5	39.2	12.8
May	311.6	271.5	40.1	12.9
June	311.8	272.9	38.9	12.5
July	319.1	285.2	33.9	10.6
August	315.2	282.9	32.3	10.2
September[P]	311.2	277.4	33.9	10.9
CINCINNATI[d]				
1972	561.0	529.0	32.0	5.7
1973	572.0	543.0	29.0	5.1
1974	595.3	569.8	25.5	4.3
1975	595.3	551.6	43.6	7.3
1976	604.8	566.6	38.2	6.3
1977	623.4	588.7	34.7	5.6
1978	648.3	615.8	32.5	5.0
1979	663.4	628.1	35.3	5.3
1980	676.2	628.6	47.5	7.0
1981	678.5	619.3	59.1	8.7
1982	682.0	610.4	71.6	10.5
1982				
September	684.5	617.2	67.3	9.8
October	690.0	614.8	75.2	10.9
November	677.5	602.5	75.0	11.1
December	673.3	598.8	74.5	11.1
1983				
January	661.5	580.1	81.3	12.3
February	655.9	577.2	78.7	12.0
March	667.8	590.2	77.6	11.6
April	674.9	604.1	70.8	10.5
May	683.3	609.9	73.4	10.7
June	694.4	620.1	74.3	10.7
July	697.9	632.7	65.2	9.3
August	693.0	629.8	63.2	9.1
September[P]	683.0	616.4	66.6	9.7

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
CANTON[c]				
1972	165.6	155.3	10.3	6.2
1973	171.2	163.1	8.1	4.7
1974	175.6	167.5	8.1	4.6
1975	174.7	158.0	16.7	9.6
1976	174.4	158.6	15.8	9.1
1977	175.9	163.1	12.9	7.3
1978	179.9	170.0	9.9	5.5
1979	184.3	173.7	10.6	5.7
1980	187.7	170.9	16.8	8.9
1981	188.4	170.1	18.2	9.7
1982	192.5	165.1	27.4	14.3
1982				
September	193.0	166.4	26.6	13.8
October	195.8	163.9	31.8	16.3
November	192.9	160.0	32.9	17.1
December	191.0	159.0	32.0	16.8
1983				
January	187.4	153.9	33.5	17.9
February	186.5	154.0	32.5	17.4
March	189.0	157.9	31.1	16.5
April	191.6	161.7	29.9	15.6
May	194.6	164.2	30.3	15.6
June	196.7	167.9	28.8	14.6
July	198.0	173.7	24.3	12.3
August	196.2	172.1	24.1	12.3
September[P]	192.2	167.8	24.4	12.7
CLEVELAND[e]				
1972	873.2	825.2	48.0	5.5
1973	883.9	849.0	34.9	3.9
1974	899.1	861.4	37.7	4.2
1975	896.9	826.3	70.6	7.9
1976	897.7	834.4	63.3	7.0
1977	908.5	854.4	54.0	5.9
1978	921.7	878.5	43.2	4.7
1979	935.8	889.1	46.7	5.0
1980	937.1	869.1	68.0	7.3
1981	933.9	854.0	79.8	8.5
1982	933.7	833.8	100.0	10.7
1982				
September	934.4	833.4	100.9	10.8
October	939.9	829.2	110.7	11.8
November	926.6	811.3	115.3	12.4
December	921.5	807.1	114.3	12.4
1983				
January	895.2	776.5	118.7	13.3
February	893.4	776.7	116.7	13.1
March	913.3	797.9	115.5	12.6
April	923.2	813.0	110.2	11.9
May	935.7	821.5	114.1	12.2
June	961.0	843.8	117.3	12.2
July	968.7	869.0	99.7	10.3
August	959.1	860.8	98.3	10.3
September[P]	933.0	833.2	99.8	10.7

[a]Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b]Defined as Portage and Summit Counties. [c]Defined as Carroll and Stark Counties. [d]Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e]Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [P]Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
COLUMBUS[f]				
1972	469.1	450.2	18.9	4.0
1973	485.5	468.3	17.1	3.5
1974	495.4	475.5	19.9	4.0
1975	495.0	458.6	36.5	7.4
1976	503.6	468.5	35.1	7.0
1977	513.4	483.3	30.1	5.9
1978	531.4	506.5	24.9	4.7
1979	543.0	517.1	25.8	4.8
1980	554.7	523.4	31.4	5.7
1981	562.4	519.1	43.3	7.7
1982	568.8	518.0	50.8	8.9
1982				
September ..	568.2	518.8	49.4	8.7
October	574.9	523.8	51.2	8.9
November ...	567.1	513.4	53.6	9.5
December ...	564.0	512.3	51.8	9.2
1983				
January	548.2	492.8	55.4	10.1
February ...	547.5	493.6	53.9	9.9
March	561.1	507.3	53.8	9.6
April	570.5	517.7	52.8	9.3
May	577.9	524.0	53.9	9.3
June	592.9	535.7	57.2	9.7
July	600.6	549.7	50.9	8.5
August	593.7	546.3	47.4	8.0
September[P] .	578.9	529.7	49.2	8.5
TOLEDO[h]				
1972	329.4	311.3	18.1	5.5
1973	339.8	324.2	15.6	4.6
1974	343.8	324.2	19.7	5.7
1975	344.8	310.2	34.6	10.0
1976	347.8	319.4	28.4	8.2
1977	355.0	329.4	25.6	7.2
1978	362.1	339.7	22.4	6.2
1979	368.2	341.7	26.4	7.2
1980	368.2	329.8	38.4	10.4
1981	367.4	328.0	39.4	10.7
1982	368.7	322.7	46.1	12.5
1982				
September ..	371.8	327.0	44.8	12.1
October	374.3	326.6	47.7	12.8
November ...	367.5	318.9	48.6	13.2
December ...	368.8	316.2	52.6	14.3
1983				
January	359.5	307.3	52.2	14.5
February ...	360.3	306.6	53.7	14.9
March	366.0	311.0	55.0	15.0
April	368.7	320.7	47.9	13.0
May	379.0	328.3	50.7	13.4
June	381.1	332.5	48.6	12.8
July	383.8	339.3	44.5	11.6
August	381.5	337.3	44.2	11.6
September[P] .	376.1	333.2	42.9	11.4

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
DAYTON[g]				
1972	353.5	336.2	17.3	4.9
1973	358.0	343.5	14.5	4.1
1974	359.5	342.5	17.0	4.7
1975	357.6	327.7	29.9	8.4
1976	360.5	336.3	24.2	6.7
1977	368.6	348.3	20.3	5.5
1978	381.1	363.7	17.3	4.6
1979	392.2	367.9	24.2	6.2
1980	390.2	361.0	29.2	7.5
1981	390.8	357.9	32.8	8.4
1982	391.1	347.0	44.2	11.3
1982				
September .	391.7	349.6	42.1	10.7
October ...	393.4	348.3	45.2	11.5
November ..	386.5	338.7	47.8	12.4
December ..	385.3	338.5	46.8	12.1
1983				
January ...	375.8	327.8	47.9	12.8
February ..	374.6	328.3	46.3	12.4
March	381.7	337.5	44.2	11.6
April	386.2	343.8	42.3	11.0
May	388.9	347.4	41.5	10.7
June	398.8	354.5	44.3	11.1
July	399.1	361.6	37.6	9.4
August	396.3	359.1	37.2	9.4
September[P].	390.1	354.2	35.9	9.2
YOUNGSTOWN-WARREN[i]				
1972	226.9	212.1	14.8	6.5
1973	232.5	221.8	10.8	4.6
1974	236.7	223.7	13.0	5.5
1975	236.7	209.8	26.9	11.4
1976	234.2	210.5	23.7	10.1
1977	234.0	215.0	19.0	8.1
1978	235.2	217.5	17.7	7.5
1979	237.1	219.9	17.1	7.2
1980	238.9	210.5	28.4	11.9
1981	234.0	205.7	28.2	12.1
1982	237.7	191.5	46.2	19.4
1982				
September .	238.0	192.3	45.7	19.2
October ...	239.2	190.6	48.5	20.3
November ..	237.7	183.0	54.7	23.0
December ..	234.2	183.1	51.1	21.8
1983				
January ...	226.6	178.1	48.4	21.4
February ..	223.8	178.7	45.1	20.1
March	227.9	186.2	41.7	18.3
April	229.9	190.3	39.5	17.2
May	234.3	193.8	40.5	17.3
June	237.1	196.8	40.4	17.0
July	237.7	203.6	34.1	14.3
August	237.4	200.9	36.5	15.4
September[P].	232.2	198.4	33.7	14.5

[a]Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f]Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Defined as Greene, Miami, Montgomery, and Preble Counties. [h]Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i]Defined as Mahoning and Trumbull Counties. [P]Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,087	4,660	426	8.4	7.1
1981	5,099	4,607	492	9.6	7.6
1982	5,122	4,481	640	12.5	9.7
1982					
October .	5,177	4,494	683	13.2	9.9
November.	5,088	4,378	710	14.0	10.4
December.	5,058	4,344	714	14.1	10.5
1983					
January .	4,942	4,204	738	14.9	11.4
February.	4,925	4,212	713	14.5	11.3
March ...	5,027	4,339	688	13.7	10.8
April ...	5,088	4,435	653	12.8	10.0
May	5,166	4,502	664	12.9	9.8
June	5,267	4,595	672	12.8	10.2
July	5,302	4,723	579	10.9	9.4
August ..	5,244	4,679	565	10.8	9.2
September	5,123	4,555	568	11.1	8.8
October .	5,176	4,626	550	10.6	8.4

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.3	3,103.0
1981	4,317.6	1,232.6	3,085.1
1982	4,138.7	1,103.6	3,035.1
1982			
October .	4,139.2	1,073.5	3,065.7
November.	4,121.4	1,056.9	3,064.5
December.	4,102.5	1,043.9	3,058.6
1983			
January .	4,012.3	1,051.7	2,960.6
February.	4,015.0	1,056.2	2,958.8
March ...	4,036.2	1,059.4	2,976.8
April ...	4,076.0	1,069.4	3,006.6
May	4,114.2	1,074.8	3,039.4
June	4,127.4	1,078.7	3,048.7
July	4,092.8	1,076.7	3,016.1
August ..	4,085.6	1,089.3	2,996.3
September	4,167.2	1,109.0	3,058.2
October .	4,181.3	1,114.2	3,067.1

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.[illegible]	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.[illegible]	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.[illegible]	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
1981	30.7	153.7	217.2	232.5	717.7	205.8	851.5	676.0
1982	30.7	135.5	207.6	229.3	707.3	206.4	859.7	658.6
1982								
October .	30.3	147.2	206.1	229.4	710.7	206.5	871.4	664.1
November.	30.3	142.2	204.6	229.0	718.4	206.6	865.8	667.3
December.	29.0	129.5	203.6	229.0	730.4	207.3	861.7	668.2
1983								
January .	28.6	112.8	195.5	226.3	687.3	205.8	847.0	657.3
February.	28.1	108.8	194.7	225.3	675.0	205.5	853.5	668.0
March ...	27.3	112.7	195.0	226.1	680.4	205.8	859.6	669.9
April ...	27.2	118.8	196.0	226.9	692.0	206.7	872.5	666.6
May	27.6	126.6	197.7	227.3	702.6	207.5	880.2	669.9
June	29.3	133.0	198.9	228.2	706.4	209.7	889.3	653.8
July	29.9	138.0	199.0	228.0	703.2	210.7	884.3	623.1
August ..	29.8	139.4	198.9	227.9	705.7	210.7	883.9	615.8
September	30.0	141.7	198.5	227.8	708.2	210.3	892.1	649.7
October .	29.8	142.5	197.8	228.0	702.6	209.9	888.7	667.7

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures. All data exclude military personnel.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1972	1,346.8	948.8	398.0	979.2	$181.3	40.7
1973	1,426.3	1,018.2	408.1	1,046.7	210.8	44.3
1974	1,416.6	1,013.1	403.5	1,028.7	217.4	42.4
1975	1,267.5	892.4	375.1	897.8	201.5	36.2
1976	1,295.3	910.6	384.6	926.1	233.9	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.3	882.6	381.8	867.8	301.9	35.2
1981	1,232.6	860.4	372.2	847.7	330.4	34.7
1982	1,103.6	755.4	348.3	738.1	298.0	29.6
1982						
October .	1,073.5	728.5	345.0	712.1	288.1	28.4
November.	1,056.9	713.1	343.8	698.2	285.5	28.1
December.	1,043.9	701.7	342.2	687.1	286.7	28.0
1983						
January .	1,051.7	712.5	339.2	695.0	288.5	28.0
February.	1,056.2	715.7	340.5	700.2	293.6	28.3
March ...	1,059.4	719.1	340.3	703.7	298.6	28.7
April ...	1,069.4	728.0	341.5	713.7	306.8	29.3
May	1,074.8	733.1	341.7	719.6	310.8	29.6
June	1,078.7	734.6	344.1	723.6	316.8	30.0
July	1,076.7	732.9	343.7	720.5	311.7	29.5
August ..	1,089.3	741.2	348.1	733.3	317.8	30.2
September	1,109.0	754.0	355.1	752.5	337.1	31.7
October .	1,114.2	761.3	352.9	758.4	343.7	32.0

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1972	$185.12	$190.19	$172.60	41.6	41.8	40.9	$ 4.45	$ 4.55	$ 4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1982	403.81	414.80	378.95	40.1	40.0	40.4	10.07	10.37	9.38
1982									
October .	404.59	416.31	378.95	39.9	39.8	40.1	10.14	10.46	9.45
November.	408.83	418.80	387.06	40.2	40.0	40.7	10.17	10.47	9.51
December.	417.18	429.14	390.46	40.7	40.6	40.8	10.25	10.57	9.57
1983									
January .	415.09	427.99	387.03	40.3	40.3	40.4	10.30	10.62	9.58
February.	419.35	433.76	386.72	40.4	40.5	40.2	10.38	10.71	9.62
March ...	424.32	437.38	393.01	40.8	40.8	40.6	10.40	10.72	9.68
April ...	429.91	444.14	397.96	41.1	41.2	40.9	10.46	10.78	9.73
May	431.96	447.69	397.80	41.1	41.3	40.8	10.51	10.84	9.75
June	437.83	452.61	402.11	41.5	41.6	41.2	10.55	10.88	9.76
July	432.55	445.67	403.60	41.0	41.0	41.1	10.55	10.87	9.82
August ..	433.42	445.52	403.50	41.2	41.1	41.3	10.52	10.84	9.77
September	447.94	463.52	410.62	42.1	42.1	41.9	10.64	11.01	9.80
October .	453.23	471.75	410.18	42.2	42.5	41.6	10.74	11.10	9.86

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.1	113.3	135.0	179.3	93.2	122.0	66.9	63.2	80.7
1982									
October .	54.6	104.2	129.5	168.9	90.8	121.6	67.7	62.0	78.0
November.	53.1	100.8	128.0	166.1	90.1	117.5	66.6	62.2	78.3
December.	50.3	98.1	127.0	163.4	85.6	120.5	66.3	61.8	77.6
1983									
January .	50.2	100.2	128.3	163.2	89.5	125.1	63.9	61.6	78.0
February.	50.4	102.6	130.1	161.7	88.7	126.1	64.3	61.7	79.3
March ...	50.8	105.4	129.5	160.6	87.9	127.9	64.0	61.8	79.3
April ...	52.4	105.9	130.5	160.3	90.2	130.9	63.7	61.7	80.3
May	52.9	105.5	131.6	161.4	90.7	132.9	63.5	61.7	80.8
June	53.0	105.9	132.3	159.3	90.4	134.4	64.5	61.6	81.6
July	53.2	105.3	132.0	159.4	90.1	133.9	64.2	61.1	82.3
August ..	53.9	107.6	134.8	159.9	90.0	135.1	66.5	61.1	83.7
September	54.7	110.0	137.2	162.2	91.9	137.1	69.6	61.8	85.8
October .	55.0	110.8	138.8	162.0	93.2	140.9	66.5	61.8	86.7
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1972	$175.14	$204.61	$187.87	$193.46	$164.42	$219.99	$173.43	$187.21	$180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1982									
October .	386.78	477.98	401.37	399.78	374.46	502.94	387.28	355.15	368.54
November.	387.69	478.37	407.42	393.39	374.14	518.13	393.71	364.65	380.70
December.	391.35	488.67	420.65	405.42	383.60	526.87	402.66	374.74	388.69
1983									
January .	385.01	486.16	427.00	401.37	380.09	517.35	391.68	370.02	392.22
February.	381.35	500.47	433.78	405.38	379.20	529.44	384.87	362.36	397.57
March ...	387.32	487.71	441.56	407.82	380.25	549.26	389.50	371.14	406.27
April ...	388.95	497.68	451.26	411.25	384.40	549.25	396.47	369.64	411.83
May	397.85	493.96	452.28	417.91	384.96	560.33	401.58	367.52	413.10
June	400.20	496.11	463.86	424.91	392.85	563.82	408.53	371.51	414.62
July	403.44	496.50	447.79	420.09	390.34	543.97	413.29	369.27	409.36
August ..	401.64	492.83	449.35	421.14	395.60	541.80	409.04	371.35	407.11
September	409.18	522.49	471.28	431.09	406.39	570.49	415.86	378.00	422.18
October .	413.59	521.22	479.52	441.98	412.67	586.18	395.52	389.51	425.43

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
OCTOBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1983[b]	September 1983[c]	October 1982[c]	September 1983	October 1982
TOTAL	4181.3	4167.2	4139.2	.3	1.0
MANUFACTURING	1114.2	1109.0	1073.5	.5	3.8
Durable Goods[e]	761.3	754.0	728.5	1.0	4.5
Lumber and wood products	12.9	13.1	12.3	- 1.0	5.5
Furniture and fixtures	13.7	13.9	13.7	- 1.3	- .2
Household furniture	6.0	6.2	6.2	- 2.8	- 2.2
Stone, clay, and glass products	55.0	54.7	54.6	.5	.7
Glass and glassware, pressed or blown	14.7	14.7	14.3	.3	3.1
Structural clay products	5.3	5.3	4.9	- .4	9.0
Pottery and related products	5.6	5.6	5.9	1.4	- 4.5
Primary metal industries	110.8	110.0	104.2	.8	6.3
Blast furnace and basic steel products	54.7	53.7	53.0	1.8	3.2
Iron and steel foundries	21.8	22.3	20.6	- 2.2	5.8
Nonferrous rolling and drawing	19.2	18.9	17.1	1.5	12.1
Nonferrous foundries	9.3	9.0	7.8	2.9	18.9
Fabricated metal products	138.8	137.2	129.5	1.1	7.2
Cutlery, hand tools, and hardware	11.8	11.7	10.0	1.3	18.8
Plumbing and heating, except electric	4.6	4.5	4.5	.7	1.8
Fabricated structural metal products	31.3	31.3	31.4	- .1	- .2
Screw machine products, bolts, etc.	9.0	8.8	8.5	1.3	5.1
Metal forgings and stampings	41.7	40.9	35.9	2.1	16.2
Machinery, except electrical	162.0	162.2	168.9	- .1	- 4.1
Construction and related machinery	18.0	18.1	19.6	- 1.1	- 8.2
Metalworking machinery	39.0	39.1	45.0	- .4	- 13.4
Special industry machinery	17.3	17.4	17.9	- .2	- 3.3
General industrial machinery	32.3	32.2	32.8	.2	- 1.6
Electric and electronic equipment	93.2	91.9	90.8	1.5	2.6
Electrical industrial apparatus	19.2	18.7	19.7	2.3	- 2.7
Household appliances	16.6	16.6	14.5	- .2	14.7
Electric lighting and wiring equipment	18.6	18.4	17.9	.9	3.5
Communication equipment	10.8	10.5	10.6	2.1	1.3
Transportation equipment	140.9	137.1	121.6	2.7	15.8
Motor vehicles and equipment	95.1	90.6	77.3	4.9	23.0
Aircraft and parts	37.5	38.0	36.1	- 1.6	3.7
Instruments and related products	20.4	20.2	19.4	.7	5.0
Measuring and controlling devices	12.5	12.3	11.7	2.0	7.4
Nondurable Goods[f]	352.9	355.1	345.0	- .6	2.3
Food and kindred products	66.5	69.6	67.7	- 4.4	- 1.6
Meat products	10.8	10.8	10.9	.1	- 1.0
Dairy products	11.0	11.1	10.9	- .7	.6
Bakery products	9.8	10.0	10.3	- 2.0	- 4.9
Beverages	10.6	10.6	10.9	- .5	- 2.8
Textile mill products	4.5	4.5	4.1	.7	10.8
Apparel and other textile products	17.6	17.4	16.9	1.0	3.9
Paper and allied products	35.3	35.5	35.2	- .3	.4
Paper mills, except building paper	9.2	9.3	8.9	- .7	3.1
Misc. converted paper products	11.6	11.6	11.1	- .3	3.9
Paperboard containers and boxes	11.7	11.7	11.9	.2	- 2.0
Printing and publishing	61.8	61.8	62.0	.1	- .3
Newspapers	18.4	18.5	18.4	- .4	.0
Commercial printing	22.2	22.3	22.5	- .7	- 1.5
Chemicals and allied products	64.6	64.8	65.6	- .3	- 1.4
Industrial inorganic chemicals	11.8	11.9	12.3	- .3	- 4.1
Plastics materials and synthetics	8.9	8.9	9.2	- .1	- 2.7
Petroleum and coal products	10.0	10.0	9.7	- .2	3.0
Rubber and misc. plastics products	86.7	85.8	78.0	1.1	11.2
Tires and inner tubes	21.0	21.0	21.6	.1	- 2.8
Miscellaneous plastics products	45.3	44.6	38.3	1.7	18.4
Leather and leather products	5.6	5.6	5.7	.3	- 1.9

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1983[b]	September 1983[c]	October 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$453.23	$447.94	$404.59	42.2	42.1	39.9	$10.74	$10.64	$10.14
Durable Goods[d]	471.75	463.52	416.31	42.5	42.1	39.8	11.10	11.01	10.46
Lumber and wood products	299.30	302.50	282.30	40.5	41.1	39.1	7.39	7.36	7.22
Furniture and fixtures	314.72	314.98	306.15	40.4	40.8	39.2	7.79	7.72	7.81
Household furniture	275.34	279.49	268.22	39.0	39.7	38.1	7.06	7.04	7.04
Stone, clay, and glass products	413.59	409.18	386.78	41.4	41.0	40.8	9.99	9.98	9.48
Glass and glassware, pressed or blown	432.89	418.03	401.09	40.8	39.4	39.4	10.61	10.61	10.18
Structural clay products	306.61	311.17	290.90	41.1	41.6	40.8	7.46	7.48	7.13
Pottery and related products	327.12	323.51	309.08	37.6	37.4	38.3	8.70	8.65	8.07
Primary metal industries	521.22	522.49	477.98	42.0	41.9	38.3	12.41	12.47	12.48
Blast furnace and basic steel products	520.83	525.77	504.53	40.5	40.6	36.8	12.86	12.95	13.71
Iron and steel foundries	522.45	523.81	455.00	43.0	42.9	39.6	12.15	12.21	11.49
Nonferrous rolling and drawing	568.10	566.36	474.28	43.3	43.3	39.1	13.12	13.08	12.13
Nonferrous foundries	434.25	419.78	360.19	45.0	43.5	40.2	9.65	9.65	8.96
Fabricated metal products	479.52	471.28	401.37	43.2	43.0	39.7	11.10	10.96	10.11
Cutlery, hand tools, and hardware	494.58	490.99	395.46	42.2	42.4	39.0	11.72	11.58	10.14
Plumbing and heating, except electric	369.08	350.24	336.75	41.1	39.8	37.5	8.98	8.80	8.98
Fabricated structural metal products	403.19	428.40	389.46	41.1	42.5	40.4	9.81	10.08	9.64
Screw machine products, bolts, etc.	389.09	396.86	343.42	41.0	41.6	38.5	9.49	9.54	8.92
Metal forgings and stampings	600.90	571.27	455.44	45.8	44.7	39.5	13.12	12.78	11.53
Machinery, except electrical	441.98	431.09	399.78	41.5	40.9	39.7	10.65	10.54	10.07
Construction and related machinery	435.71	437.38	402.83	39.9	40.2	39.3	10.92	10.88	10.25
Metalworking machinery	405.96	398.58	377.62	39.8	39.0	37.8	10.20	10.22	9.99
Special industry machinery	425.54	425.70	389.09	42.3	42.4	40.7	10.06	10.04	9.56
General industrial machinery	433.95	437.13	387.66	40.9	41.2	39.0	10.61	10.61	9.94
Electric and electronic equipment	412.67	406.39	374.46	41.6	41.3	39.5	9.92	9.84	9.48
Electrical industrial apparatus	371.62	373.12	351.66	39.2	39.4	38.1	9.48	9.47	9.23
Household appliances	417.36	407.43	379.66	41.2	40.5	39.1	10.13	10.06	9.71
Electric lighting and wiring equipment	416.63	397.52	370.23	42.6	41.8	41.0	9.78	9.51	9.03
Communication equipment	479.52	488.77	409.34	44.4	44.8	38.4	10.80	10.91	10.66
Transportation equipment	586.18	570.49	502.94	45.3	44.5	41.6	12.94	12.82	12.09
Motor vehicles and equipment	614.00	597.09	519.17	46.2	45.2	41.7	13.29	13.21	12.45
Aircraft and parts	512.66	505.41	479.45	42.9	42.4	41.8	11.95	11.92	11.47
Instruments and related products	304.90	312.73	286.50	39.7	40.3	39.3	7.68	7.76	7.29
Measuring and controlling devices	295.60	301.75	275.88	39.1	39.6	38.0	7.56	7.62	7.26
Nondurable Goods[e]	410.18	410.62	378.95	41.6	41.9	40.1	9.86	9.80	9.45
Food and kindred products	395.52	415.86	387.28	41.2	43.5	41.2	9.60	9.56	9.40
Meat products	385.81	392.51	405.82	41.0	41.1	40.3	9.41	9.55	10.07
Dairy products	411.58	406.00	390.44	43.6	43.1	43.0	9.44	9.42	9.08
Bakery products	407.88	420.84	378.85	39.6	40.7	39.3	10.30	10.34	9.64
Beverages	367.88	366.22	336.92	39.6	40.2	38.2	9.29	9.11	8.82
Textile mill products	311.74	299.62	269.99	41.4	41.1	39.3	7.53	7.29	6.87
Apparel and other textile products	241.40	241.67	223.56	38.5	38.3	37.7	6.27	6.31	5.93
Paper and allied products	436.59	436.70	405.36	44.1	44.2	43.4	9.90	9.88	9.34
Paper mills, except building paper	534.86	534.46	516.22	47.0	46.8	48.2	11.38	11.42	10.71
Misc. converted paper products	387.39	380.84	354.69	42.9	42.6	41.1	9.03	8.94	8.63
Paperboard containers and boxes	391.07	398.30	358.03	42.6	43.2	41.2	9.18	9.22	8.69
Printing and publishing	389.51	378.00	355.15	38.3	37.5	36.5	10.17	10.08	9.73
Newspapers	321.73	316.52	319.40	33.1	32.8	31.1	9.72	9.65	10.27
Commercial printing	416.24	400.53	360.91	40.1	39.0	37.4	10.38	10.27	9.65
Chemicals and allied products	462.44	459.95	422.28	41.4	41.7	40.8	11.17	11.03	10.35
Industrial inorganic chemicals	511.63	494.42	451.47	41.8	41.9	40.6	12.24	11.80	11.12
Plastics materials and synthetics	514.21	506.61	459.24	43.8	43.3	42.8	11.74	11.70	10.73
Petroleum and coal products	611.18	588.51	599.40	43.5	42.4	44.4	14.05	13.88	13.50
Rubber and misc. plastics products	425.43	422.18	368.54	43.5	43.3	39.5	9.78	9.75	9.33
Tires and inner tubes	573.22	575.85	495.72	45.1	45.2	40.8	12.71	12.74	12.15
Miscellaneous plastics products	411.70	407.73	343.04	43.2	43.1	38.5	9.53	9.46	8.91
Leather and leather products	210.92	210.92	210.79	38.7	38.7	39.4	5.45	5.45	5.35

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
OCTOBER 1983 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1983[b]	September 1983[c]	October 1982[c]	September 1983	October 1982
NONMANUFACTURING	3067.1	3058.2	3065.7	.3	.0
MINING	29.8	30.0	30.3	- .4	- 1.5
Bituminous coal and lignite mining	11.8	11.8	12.8	.1	- 8.3
CONSTRUCTION	142.5	141.7	147.2	.6	- 3.2
General building contractors	33.3	33.1	34.1	.4	- 2.4
Heavy construction contractors	24.1	24.0	26.4	.5	- 8.8
TRANSPORTATION AND PUBLIC UTILITIES	197.8	198.5	206.1	- .4	- 4.0
Railroad transportation	20.6	20.9	22.5	- 1.6	- 8.6
Transportation, except railroads	87.0	87.1	88.6	- .1	- 1.9
Trucking and warehousing	61.5	61.5	64.0	- .1	- 4.0
Communication, electric, gas services	90.3	90.6	95.0	- .3	- 4.9
Communication	50.5	50.5	53.5	.0	- 5.6
Electric, gas, and sanitary services	39.8	40.1	41.5	- .6	- 3.9
WHOLESALE TRADE	228.0	227.8	229.4	.1	- .6
Wholesale trade-durable goods	143.9	143.6	145.5	.2	- 1.1
Motor vehicles & automotive equipment	21.1	21.0	20.9	.2	1.1
Electrical goods	18.8	18.9	18.9	- .3	- .4
Machinery, equipment, and supplies	61.5	61.4	62.0	.1	- .8
Wholesale trade-nondurable goods	84.1	84.1	83.9	.0	.3
Groceries and related products	26.0	26.1	25.5	- .4	1.9
RETAIL TRADE	702.6	708.2	710.7	- .8	- 1.1
General merchandise stores	111.2	109.0	115.8	2.0	- 4.0
Department stores	101.9	99.8	105.9	2.1	- 3.9
Food stores	117.4	118.0	117.2	- .5	.1
Automotive dealers & service stations	75.2	75.8	76.3	- .8	- 1.5
Apparel and accessory stores	32.4	32.2	33.8	.6	- 3.9
FINANCE, INSURANCE, AND REAL ESTATE	209.9	210.3	206.5	- .2	1.6
Banking	57.9	58.1	58.5	- .5	- 1.2
Credit agencies other than banks	30.7	30.8	29.6	- .2	3.7
Insurance carriers	59.2	59.4	59.3	- .3	- .2
SERVICES	888.7	892.1	871.[illegible]	- .4	2.0
Hotels and other lodging places	29.2	29.9	29.7	- 2.4	- 1.8
Laundry, cleaning, & garment services	16.4	16.4	16.8	- .2	- 2.4
Business services	124.4	123.9	123.8	.3	.5
Health services	328.5	328.0	316.9	.2	3.7
Hospitals	178.5	178.3	174.3	.1	2.4
GOVERNMENT	667.7	649.7	664.1	2.8	.6
Federal government	88.4	88.8	88.5	- .5	- .1
State government	147.1	135.5	146.4	8.5	.5
State government, except education	69.6	69.8	70.4	- .4	- 1.2
State government education[i]	77.5	65.7	76.0	18.0	2.0
Local government	432.3	425.3	429.2	1.6	.7
Local government, except education	182.8	185.7	181.1	- 1.6	.9
Local government education	249.5	239.6	248.1	4.1	.6

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures. [h]Depressed due to labor-management disputes. [i]Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
OCTOBER 1983 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1983[b]	September 1983[c]	October 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
MINING	$460.10	$462.41	$453.84	43.0	43.5	43.1	$10.70	$10.63	$10.53
Bituminous coal and lignite mining	554.45	557.47	546.07	40.5	40.9	42.2	13.69	13.63	12.94
CONSTRUCTION	577.57	601.09	572.26	37.0	37.9	38.1	15.61	15.86	15.02
General building contractors	491.75	514.40	515.11	35.1	36.2	37.3	14.01	14.21	13.81
Heavy construction contractors	529.02	569.24	576.42	35.6	38.0	39.4	14.86	14.98	14.63
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Railroad transportation	.....	.....	.....	....	....	....	....	....	....
Transportation, except railroads	.....	.....	.....	....	....	....	....	....	....
Trucking and warehousing	444.24	447.28	443.75	36.0	36.1	35.7	12.34	12.39	12.43
Communication, electric, gas services	471.71	467.64	435.71	40.7	40.7	39.9	11.59	11.49	10.92
Communication	470.90	463.98	426.80	40.7	40.7	39.3	11.57	11.40	10.86
Electric, gas, and sanitary services	471.37	473.69	446.19	40.6	40.8	40.6	11.61	11.61	10.99
WHOLESALE TRADE	332.64	331.30	317.42	39.6	39.3	38.9	8.40	8.43	8.16
Wholesale trade-durable goods	325.60	325.96	308.46	40.0	39.8	38.8	8.14	8.19	7.95
Motor vehicles & automotive equipment	272.69	275.50	266.25	38.9	38.0	37.5	7.01	7.25	7.10
Electrical goods	276.10	271.74	259.70	38.4	37.9	37.1	7.19	7.17	7.00
Machinery, equipment, and supplies	368.42	366.21	338.13	40.8	40.6	39.0	9.03	9.02	8.67
Wholesale trade-nondurable goods	344.16	340.34	332.28	38.8	38.5	39.0	8.87	8.84	8.52
Groceries and related products	371.28	367.69	360.93	40.8	40.9	40.6	9.10	8.99	8.89
RETAIL TRADE[f]	162.21	161.32	153.99	29.6	29.6	29.0	5.48	5.45	5.31
General merchandise stores	166.24	167.40	155.56	30.9	31.0	29.8	5.38	5.40	5.22
Department stores	169.81	171.21	157.94	31.1	31.3	29.8	5.46	5.47	5.30
Food stores	218.15	220.82	223.92	30.9	31.5	31.1	7.06	7.01	7.20
Automotive dealers & service stations	215.76	215.26	198.74	35.9	36.3	36.4	6.01	5.93	5.46
Apparel and accessory stores	120.15	117.82	110.66	26.7	26.3	26.1	4.50	4.48	4.24
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	218.40	218.60	205.14	....	....	....	....	....	....
Credit agencies other than banks	210.34	211.32	204.77	....	....	....	....	....	....
Insurance carriers	291.22	290.68	277.35	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
Hotels and other lodging places	.....	.....	.....	....	....	....	....	....	....
Laundry, cleaning, & garment services	.....	.....	.....	....	....	....	....	....	....
Business services	.....	.....	.....	....	....	....	....	....	....
Health services	.....	.....	.....	....	....	....	....	....	....
Hospitals	283.74	285.76	267.79	33.9	34.1	34.2	8.37	8.38	7.83
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government	.....	.....	.....	....	....	....	....	....	....
State government, except education	.....	.....	.....	....	....	....	....	....	....
State government education	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	...	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes miscellaneous manufacturing. [e]Includes tobacco manufactures. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
OCTOBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1983[b]	September 1983[c]	October 1982[c]	September 1983	October 1982
TOTAL	255.6	256.1	252.5	- .2	1.2
MANUFACTURING	68.2	68.0	67.4	.2	1.1
Durable Goods[e]	34.7	34.5	33.4	.7	4.0
Stone, clay, and glass products	2.0	2.0	1.7	.2	12.8
Fabricated metal products	12.3	12.3	12.6	.2	- 2.5
Machinery, except electrical	9.6	9.5	9.0	.5	6.3
Special industry machinery	1.6	1.6	1.6	1.9	- .2
Nondurable Goods[f]	33.4	33.5	34.0	- .2	- 1.7
Food and kindred products	2.5	2.5	2.7	- .9	- 5.9
Chemicals and allied products	2.7	2.9	3.2	- 4.2	- 13.2
Rubber and misc. plastics products	23.2	23.2	23.2	.3	.1
Tires and inner tubes	16.7	16.7	17.3	.0	- 3.4
NONMANUFACTURING[g]	187.4	188.1	185.1	- .4	1.3
CONSTRUCTION	7.9	7.9	8.2	.0	- 3.5
TRANSPORTATION AND PUBLIC UTILITIES	12.7	12.8	13.1	- .5	- 2.6
Communication, electric, gas services	5.3	5.4	5.5	- .4	- 2.1
WHOLESALE TRADE	12.7	12.6	12.5	.3	1.0
RETAIL TRADE	46.9	47.3	46.2	- .9	1.4
FINANCE, INSURANCE, AND REAL ESTATE	9.3	9.3	9.3	- .3	.2
SERVICES	53.8	54.5	52.2	- 1.2	3.0
GOVERNMENT	43.5	43.0	42.9	1.1	1.4
State government (includes education)	15.3	14.9	14.8	3.0	3.4
Local government (includes education)	26.1	26.1	26.1	.1	.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
OCTOBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1983[b]	September 1983[c]	October 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$464.18	$461.54	$401.76	43.3	43.5	40.5	$10.72	$10.61	$ 9.92
Durable Goods[d]	477.86	469.97	403.92	43.6	43.8	40.8	10.96	10.73	9.90
Stone, clay, and glass products	401.94	404.34	403.37	42.0	41.9	41.8	9.57	9.65	9.65
Fabricated metal products	578.18	560.28	390.39	45.1	45.7	39.0	12.82	12.26	10.01
Machinery, except electrical	423.69	416.35	406.27	43.5	43.1	42.1	9.74	9.66	9.65
Special industry machinery	441.00	460.56	358.02	44.1	45.6	39.0	10.00	10.10	9.18
Nondurable Goods[e]	445.30	449.10	399.99	42.9	43.1	40.2	10.38	10.42	9.95
Food and kindred products	450.91	451.23	419.08	44.6	44.5	44.3	10.11	10.14	9.46
Chemicals and allied products	473.27	465.80	438.19	43.3	42.5	41.3	10.93	10.96	10.61
Rubber and misc. plastics products	467.15	471.43	403.81	43.7	44.1	40.1	10.69	10.69	10.07
Tires and inner tubes	609.44	618.31	507.91	46.1	46.7	40.6	13.22	13.24	12.51
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	544.32	558.67	574.53	35.6	36.9	37.6	15.29	15.14	15.28
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	480.58	476.35	438.99	40.9	41.1	39.8	11.75	11.59	11.03
WHOLESALE TRADE	295.89	297.20	281.47	39.4	38.9	38.4	7.51	7.64	7.33
RETAIL TRADE[f]	174.60	173.12	171.38	30.0	29.9	29.6	5.82	5.79	5.79
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
OCTOBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1983[b]	September 1983[c]	October 1982[c]	September 1983	October 1982
TOTAL	150.1	150.3	148.3	- .1	1.2
MANUFACTURING	46.3	46.6	45.8	- .8	.9
Durable Goods[e]	34.7	35.1	34.6	- 1.3	.1
Stone, clay, and glass products	2.0	2.0	1.9	.2	2.9
Primary metal industries	10.8	11.4	10.3	- 5.2	4.8
Fabricated metal products	7.6	7.5	8.5	1.1	- 10.7
Fabricated structural metal products	2.0	2.0	2.9	- .1	- 29.8
Metal forgings and stampings	2.4	2.3	2.4	2.2	.0
Nondurable Goods[f]	11.6	11.5	11.2	.6	3.4
Food and kindred products	4.3	4.2	4.2	2.8	.9
Rubber and misc. plastics products	3.1	3.1	2.6	.0	16.7
NONMANUFACTURING[g]	103.9	103.6	102.5	.2	1.4
CONSTRUCTION	5.4	5.5	5.2	- 2.0	3.8
TRANSPORTATION AND PUBLIC UTILITIES	6.2	6.2	6.4	.1	- 4.2
Communication, electric, gas services	2.9	2.8	3.0	.8	- 4.5
WHOLESALE TRADE	8.0	7.9	7.7	.7	2.9
RETAIL TRADE	26.2	26.6	26.1	- 1.4	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.6	6.6	6.4	.0	2.1
SERVICES	31.7	31.7	31.1	.3	2.1
GOVERNMENT	18.5	17.9	18.1	3.2	2.0
Local government (includes education)	15.6	15.1	15.1	3.6	3.3

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
OCTOBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1983[b]	September 1983[c]	October 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$438.62	$442.27	$400.62	40.5	40.8	38.3	$10.83	$10.84	$10.46
Durable Goods[d]	455.31	457.78	409.58	40.4	40.8	38.1	11.27	11.22	10.75
Stone, clay, and glass products	288.67	294.38	255.84	40.6	41.0	39.0	7.11	7.18	6.56
Primary metal industries	485.21	483.61	456.04	40.2	40.1	35.6	12.07	12.06	12.81
Fabricated metal products	525.00	520.42	448.54	41.7	41.7	40.3	12.59	12.48	11.13
Fabricated structural metal products	463.39	441.78	477.63	40.4	39.2	43.5	11.47	11.27	10.98
Metal forgings and stampings	650.77	641.58	505.79	44.3	44.4	39.3	14.69	14.45	12.87
Nondurable Goods[e]	388.27	394.97	371.39	41.0	41.1	39.3	9.47	9.61	9.45
Food and kindred products	411.35	425.39	412.34	41.3	41.1	38.5	9.96	10.35	10.71
Rubber and misc. plastics products	422.18	424.02	362.97	44.3	44.4	41.2	9.53	9.55	8.81
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	569.43	553.94	550.13	36.2	35.6	37.5	15.73	15.56	14.67
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	479.70	477.10	453.50	41.0	41.2	40.6	11.70	11.58	11.17
WHOLESALE TRADE	318.20	318.57	301.55	37.0	37.0	37.0	8.60	8.61	8.15
RETAIL TRADE[f]	161.40	159.79	150.31	30.0	29.7	29.3	5.38	5.38	5.13
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
OCTOBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1983[b]	September 1983[c]	October 1982[c]	September 1983	October 1982
TOTAL	582.1	578.2	579.0	.7	.5
MANUFACTURING	148.8	145.9	147.0	2.0	1.2
Durable Goods[e]	82.7	79.8	80.3	3.6	3.0
Furniture and fixtures	2.1	2.1	2.1	- .9	- 2.7
Primary metal industries	2.0	1.9	1.8	6.7	12.5
Fabricated metal products	13.2	13.0	12.4	1.8	6.9
Fabricated structural metal products	4.1	4.0	4.1	1.2	- .3
Machinery, except electrical	21.3	21.6	22.1	- 1.3	- 3.5
Metalworking machinery	10.1	10.4	10.8	- 2.2	- 6.4
General industrial machinery	3.4	3.4	3.4	1.2	- .8
Electric and electronic equipment	7.8	7.7	7.7	1.2	1.3
Transportation equipment	25.8	23.0	24.0	12.2	7.6
Motor vehicles and equipment	10.8	7.9	9.1	36.2	18.7
Nondurable Goods[f]	66.0	66.1	66.7	- .1	- 1.0
Food and kindred products	14.8	14.8	15.6	- .3	- 5.7
Meat products	2.4	2.4	2.2	.1	8.6
Bakery products	2.3	2.4	2.4	- 4.4	- 5.7
Beverages	4.3	4.3	4.7	- .2	- 8.8
Apparel and other textile products	4.0	4.0	4.0	- .7	.2
Paper and allied products	5.9	5.9	5.7	.2	2.4
Printing and publishing	11.4	11.5	11.2	- .5	1.7
Chemicals and allied products	21.9	21.8	22.2	.1	- 1.6
Rubber and misc. plastics products	4.7	4.6	4.2	1.0	9.5
NONMANUFACTURING[g]	433.4	432.3	432.0	.2	.3
CONSTRUCTION	21.2	21.0	21.8	.8	- 2.8
TRANSPORTATION AND PUBLIC UTILITIES	31.4	31.4	32.1	- .1	- 2.1
Communication, electric, gas services	14.2	14.3	14.4	- .3	- 1.5
WHOLESALE TRADE	36.7	36.6	37.2	.2	- 1.3
RETAIL TRADE	101.2	101.5	101.7	- .3	- .4
FINANCE, INSURANCE, AND REAL ESTATE	32.0	32.2	32.4	- .4	- 1.1
Banking	7.2	7.3	7.3	- .5	- 1.5
Insurance carriers	11.0	11.0	11.4	- .2	- 3.5
SERVICES	130.5	131.6	127.0	- .8	2.8
GOVERNMENT	79.8	77.5	79.4	3.0	.5
Federal government	12.3	12.3	12.2	- .1	.9
State government (includes education)	17.9	16.7	18.3	7.1	- 2.0
Local government	49.7	48.5	49.0	2.3	1.4
Local government, except education	22.0	22.0	21.7	- .2	1.5
Local government education	27.7	26.5	27.3	4.4	1.3

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
OCTOBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1983[b]	September 1983[c]	October 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$425.18	$417.13	$387.93	41.4	41.3	40.2	$10.27	$10.10	$ 9.65
Durable Goods[d]	423.07	404.42	372.33	41.6	41.1	39.4	10.17	9.84	9.45
Furniture and fixtures	326.01	338.13	263.02	40.7	41.9	35.4	8.01	8.07	7.43
Primary metal industries	453.13	477.15	315.58	40.1	41.6	32.5	11.30	11.47	9.71
Fabricated metal products	392.20	383.88	376.26	42.4	42.0	41.9	9.25	9.14	8.98
Fabricated structural metal products	368.58	367.84	346.52	41.6	41.8	41.8	8.86	8.80	8.29
Machinery, except electrical	368.28	363.38	336.92	39.9	39.2	38.2	9.23	9.27	8.82
Metalworking machinery	390.14	389.76	350.12	38.1	38.1	35.8	10.24	10.23	9.78
General industrial machinery	328.41	340.98	333.48	38.5	40.4	39.7	8.53	8.44	8.40
Electric and electronic equipment	326.72	305.73	286.04	41.2	39.5	39.4	7.93	7.74	7.26
Transportation equipment	590.34	574.66	503.60	43.6	43.7	40.0	13.54	13.15	12.59
Motor vehicles and equipment	645.58	645.00	529.42	44.4	45.2	38.7	14.54	14.27	13.68
Nondurable Goods[e]	428.28	430.36	405.08	41.3	41.5	41.0	10.37	10.37	9.88
Food and kindred products	460.02	485.47	454.37	41.0	43.0	41.8	11.22	11.29	10.87
Meat products	400.82	402.94	428.08	40.9	41.2	41.4	9.80	9.78	10.34
Bakery products	425.41	447.98	389.05	40.4	43.2	40.4	10.53	10.37	9.63
Beverages	441.74	445.84	455.24	41.4	42.1	44.5	10.67	10.59	10.23
Apparel and other textile products	202.71	213.07	226.80	35.5	36.8	40.5	5.71	5.79	5.60
Paper and allied products	381.06	384.22	357.39	41.6	41.9	41.8	9.16	9.17	8.55
Printing and publishing	432.14	410.40	387.48	40.5	38.9	38.1	10.67	10.55	10.17
Chemicals and allied products	500.57	501.17	458.43	42.1	42.4	41.3	11.89	11.82	11.10
Rubber and misc. plastics products	359.33	350.51	319.20	45.6	44.2	42.0	7.88	7.93	7.60
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	542.72	562.87	581.74	36.4	37.4	38.5	14.91	15.05	15.11
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	452.71	443.98	415.91	39.4	39.5	39.2	11.49	11.24	10.61
WHOLESALE TRADE	339.63	343.08	321.15	39.4	39.8	38.6	8.62	8.62	8.32
RETAIL TRADE[f]	163.10	164.08	156.15	30.6	30.9	29.8	5.33	5.31	5.24
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	225.23	223.93	201.27	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
OCTOBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1983[b]	September 1983[c]	October 1982[c]	September 1983	October 1982
TOTAL	837.3	836.6	842.3	.1	- .6
MANUFACTURING	215.4	214.6	216.1	.4	- .3
Durable Goods[e]	149.6	148.6	152.5	.7	- 1.9
Furniture and fixtures	1.7	1.7	2.0	1.2	- 13.9
Primary metal industries	25.1	24.8	25.5	1.1	- 1.7
Blast furnace and basic steel products	12.3	12.3	13.1	.1	- 6.4
Iron and steel foundries	6.3	6.2	6.3	1.8	- .5
Nonferrous foundries	2.7	2.6	2.6	3.7	5.8
Fabricated metal products	32.3	32.0	32.8	.8	- 1.5
Fabricated structural metal products	3.9	3.9	3.9	- 1.1	- .2
Screw machine products, bolts, etc.	4.7	4.6	4.7	3.7	1.2
Metal forgings and stampings	10.8	10.7	11.5	.6	- 6.2
Machinery, except electrical	32.2	32.1	35.2[h]	.1	- 8.7
Construction and related machinery	5.5	5.5	5.3[h]	.1	4.0
Metalworking machinery	10.5	10.5	12.2	- .4	- 14.1
Special industry machinery	3.2	3.1	3.4	1.7	- 6.5
General industrial machinery	2.5	2.5	2.9	- 2.2	- 15.1
Electric and electronic equipment	23.5	23.4	23.5	.6	.3
Electrical industrial apparatus	7.8	7.8	8.3	- .3	- 6.3
Transportation equipment	21.0	20.7	19.7	1.7	7.0
Motor vehicles and equipment	14.7	14.3	13.1	2.8	12.3
Instruments and related products	5.6	5.6	5.8	- .2	- 3.4
Nondurable Goods[f]	65.8	65.9	63.6	- .2	3.5
Food and kindred products	8.0	8.2	7.8	- 2.0	2.4
Bakery products	1.7	1.7	1.7	.2	- .6
Beverages	1.6	1.6	1.6	- 3.1	.1
Apparel and other textile products	5.5	5.5	5.4	.3	2.6
Paper and allied products	5.1	5.1	5.0	.6	2.2
Printing and publishing	15.3	15.3	14.7	.0	3.5
Chemicals and allied products	14.6	14.7	14.9	- .8	- 2.4
Industrial inorganic chemicals	3.5	3.6	3.8	- 2.3	- 7.0
Rubber and misc. plastics products	11.3	11.1	9.9	1.8	14.4
NONMANUFACTURING[g]	621.9	622.1	626.2	.0	- .7
CONSTRUCTION	26.5	26.7	27.1	- .8	- 2.3
TRANSPORTATION AND PUBLIC UTILITIES	42.1	42.1	43.4	.0	- 3.0
Communication, electric, gas services	19.6	19.6	20.0	- .1	- 2.4
WHOLESALE TRADE	59.9	59.8	60.9	.1	- 1.7
RETAIL TRADE	133.0	133.4	135.7	- .3	- 2.0
FINANCE, INSURANCE, AND REAL ESTATE	47.7	48.2	48.1	- 1.0	- .8
Banking	13.0	13.1	13.4	- .2	- 2.6
Insurance carriers	11.8	12.1	12.3	- 2.4	- 3.6
SERVICES	198.8	198.2	195.2	.3	1.8
GOVERNMENT	112.8	112.5	114.5	.2	- 1.5
Federal government	19.1	19.2	19.1	- .4	.1
State government (includes education)	8.1	7.3	7.9	10.6	1.7
Local government	85.6	86.0	87.4	- .5	- 2.1
Local government, except education	44.5	45.7	44.3	- 2.6	.5
Local government education	41.0	40.3	43.1	1.8	- 4.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]

OCTOBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1983[b]	September 1983[c]	October 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$443.30	$440.77	$397.88	41.9	41.7	39.2	$10.58	$10.57	$10.15
Durable Goods[d]	471.91	468.57	418.55	42.4	42.1	39.3	11.13	11.13	10.65
Furniture and fixtures	333.34	322.78	319.18	40.8	39.6	39.6	8.17	8.11	8.06
Primary metal industries	537.14	541.40	459.05	42.8	42.9	37.2	12.55	12.62	12.34
Blast furnace and basic steel products	510.26	511.04	475.74	39.1	39.1	34.3	13.05	13.07	13.87
Iron and steel foundries	678.08	690.49	515.11	46.7	47.1	39.9	14.52	14.66	12.91
Nonferrous foundries	363.27	351.60	338.35	41.9	40.6	39.9	8.67	8.66	8.48
Fabricated metal products	442.44	450.05	407.54	41.7	42.1	39.3	10.61	10.69	10.37
Fabricated structural metal products	330.81	359.20	335.75	38.2	40.0	39.5	8.66	8.98	8.50
Screw machine products, bolts, etc.	427.14	433.15	351.54	42.0	42.3	37.8	10.17	10.24	9.30
Metal forgings and stampings	559.88	562.61	495.26	44.4	44.3	40.2	12.61	12.70	12.32
Machinery, except electrical	452.76	433.61	427.58	42.0	40.6	40.3	10.78	10.68	10.61
Construction and related machinery	514.19	510.05	440.50	41.5	41.4	39.9	12.39	12.32	11.04
Metalworking machinery	417.77	410.10	382.42	40.6	39.7	37.2	10.29	10.33	10.28
Special industry machinery	470.79	469.06	437.47	41.7	41.4	41.0	11.29	11.33	10.67
General industrial machinery	419.34	402.62	382.20	42.4	41.0	39.0	9.89	9.82	9.80
Electric and electronic equipment	403.24	392.35	356.18	41.4	40.2	38.8	9.74	9.76	9.18
Electrical industrial apparatus	365.63	357.75	353.79	36.6	36.1	35.7	9.99	9.91	9.91
Transportation equipment	587.25	585.90	496.92	45.0	45.0	41.0	13.05	13.02	12.12
Motor vehicles and equipment	625.18	625.18	493.29	45.6	45.7	39.4	13.71	13.68	12.52
Instruments and related products	349.76	361.38	329.62	39.7	41.3	40.1	8.81	8.75	8.22
Nondurable Goods[e]	369.77	370.37	341.93	40.5	40.7	38.9	9.13	9.10	8.79
Food and kindred products	374.53	393.87	362.79	40.1	41.2	40.4	9.34	9.56	8.98
Bakery products	417.90	413.34	377.30	42.0	41.5	39.8	9.95	9.96	9.48
Beverages	343.10	344.40	330.40	40.7	41.0	41.3	8.43	8.40	8.00
Apparel and other textile products	270.27	271.04	253.13	38.5	38.5	36.9	7.02	7.04	6.86
Paper and allied products	417.98	428.50	374.33	44.8	45.2	41.0	9.33	9.48	9.13
Printing and publishing	375.36	356.85	346.74	36.8	35.9	35.6	10.20	9.94	9.74
Chemicals and allied products	455.03	457.69	406.21	41.9	42.3	40.1	10.86	10.82	10.13
Industrial inorganic chemicals	493.02	498.62	393.19	41.5	42.4	38.7	11.88	11.76	10.16
Rubber and misc. plastics products	328.27	338.77	313.07	41.5	43.1	40.5	7.91	7.86	7.73
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	692.85	739.09	641.66	38.3	39.8	38.4	18.09	18.57	16.71
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	498.15	494.51	467.17	40.5	40.6	40.1	12.30	12.18	11.65
WHOLESALE TRADE	342.70	338.04	329.72	39.3	38.9	38.7	8.72	8.69	8.52
RETAIL TRADE[f]	170.74	171.96	164.42	28.6	28.9	28.3	5.97	5.95	5.81
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	247.43	247.28	236.84	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
OCTOBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1983[b]	September 1983[c]	October 1982[c]	September 1983	October 1982
TOTAL	513.6	505.2	503.5	1.7	2.0
MANUFACTURING	90.4	89.0	86.3	1.5	4.7
Durable Goods[e]	58.8	57.7	54.3	1.8	8.2
Stone, clay, and glass products	9.6	9.5	9.4	1.4	2.5
Fabricated metal products	10.3	10.2	8.6	1.3	19.9
Machinery, except electrical	10.5	10.2	10.4	2.6	.3
Electric and electronic equipment	10.9	10.7	10.7	2.5	2.1
Transportation equipment	8.7	8.6	7.0	1.4	23.6
Nondurable Goods[f]	31.6	31.3	32.0	.9	- 1.2
Food and kindred products	10.1	10.1	10.2	- .1	- 1.5
Printing and publishing	8.1	7.9	8.3	2.5	- 3.2
Chemicals and allied products	6.0	6.0	6.0	.4	.9
Rubber and misc. plastics products	2.7	2.7	2.7	1.2	- .8
NONMANUFACTURING[g]	423.3	416.2	417.2	1.7	1.5
CONSTRUCTION	15.9	15.8	16.1	.7	- 1.1
TRANSPORTATION AND PUBLIC UTILITIES	22.4	22.3	23.2	.2	- 3.6
Communication, electric, gas services	10.6	10.6	11.1	.0	- 4.1
WHOLESALE TRADE	27.5	27.4	27.2	.3	1.2
RETAIL TRADE	94.7	94.0	94.1	.7	.6
FINANCE, INSURANCE, AND REAL ESTATE	43.3	43.3	41.6	- .1	4.0
Banking	8.6	8.6	8.3	.2	4.6
Insurance carriers	17.7	17.6	17.7	.2	.0
SERVICES	115.0	113.6	112.0	1.2	2.7
GOVERNMENT	103.8	99.0	102.3	4.9	1.5
Federal government	11.3	11.2	11.4	.7	- 1.0
State government	49.3	45.0	49.6	9.5	- .5
State government, except education	28.1	28.1	28.7	.2	- 2.0
State government education[i]	21.2	17.0	20.9	24.9	1.4
Local government	43.2	42.8	41.4	1.1	4.5
Local government, except education	17.9	18.3	17.4	- 1.9	3.1
Local government education	25.3	24.5	23.9	3.3	5.6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes. [i]Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
OCTOBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1983[b]	September 1983[c]	October 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$415.33	$410.45	$376.75	41.0	40.8	39.7	$10.13	$10.06	$ 9.49
Durable Goods[d]	434.89	431.78	392.43	41.3	41.2	39.8	10.53	10.48	9.86
Stone, clay, and glass products	393.66	383.57	365.27	40.5	39.3	38.9	9.72	9.76	9.39
Fabricated metal products	542.01	519.09	447.12	43.5	42.1	40.1	12.46	12.33	11.15
Machinery, except electrical	379.32	377.81	371.33	40.7	40.8	40.1	9.32	9.26	9.26
Electric and electronic equipment	433.44	449.33	390.02	43.0	44.4	40.5	10.08	10.12	9.63
Transportation equipment	522.52	511.63	490.03	42.9	42.6	42.5	12.18	12.01	11.53
Nondurable Goods[e]	370.52	366.40	348.57	40.1	40.0	39.7	9.24	9.16	8.78
Food and kindred products	356.09	363.26	353.97	40.1	41.0	41.4	8.88	8.86	8.55
Printing and publishing	438.45	442.50	400.64	37.7	37.5	37.2	11.63	11.80	10.77
Chemicals and allied products	423.94	415.31	383.51	41.0	40.4	40.2	10.34	10.28	9.54
Rubber and misc. plastics products	308.00	310.75	285.82	42.6	43.1	40.2	7.23	7.21	7.11
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	495.60	490.10	517.59	38.3	37.7	38.8	12.94	13.00	13.34
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	480.78	479.49	455.31	40.3	40.6	39.8	11.93	11.81	11.44
WHOLESALE TRADE	296.40	300.65	311.26	40.0	39.3	39.4	7.41	7.65	7.90
RETAIL TRADE[f]	166.40	165.50	153.05	29.4	29.5	28.5	5.66	5.61	5.37
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	236.05	237.76	227.17	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government	.....	.....	.....	....	....	....	....	....	....
State government, except education	.....	.....	.....	....	....	....	....	....	....
State government education	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
OCTOBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1983[b]	September 1983[c]	October 1982[c]	September 1983	October 1982
TOTAL	341.7	340.3	338.1	.4	1.1
MANUFACTURING	89.2	89.1	85.8	.1	4.0
Durable Goods[e]	61.8	61.6	60.0	.3	2.9
Stone, clay, and glass products	2.2	2.1	1.9	1.0	12.9
Fabricated metal products	6.9	6.9	6.5	.0	7.2
Machinery, except electrical	29.0	28.7	28.5	.8	1.5
Metalworking machinery	6.1	6.0	6.3	.5	- 4.1
Electric and electronic equipment	4.6	4.6	4.6	- .3	- .8
Electrical industrial apparatus	2.6	2.6	2.6	.3	.4
Transportation equipment	13.4	13.2	12.7	1.1	5.0
Nondurable Goods[f]	27.4	27.5	25.8	- .2	6.4
Food and kindred products	3.1	3.1	2.9	1.3	7.8
Paper and allied products	5.4	5.4	5.3	.3	1.7
Printing and publishing	7.4	7.4	7.3	- .3	1.4
Rubber and misc. plastics products	8.0	8.1	7.0	- .5	14.4
NONMANUFACTURING[g]	252.5	251.2	252.3	.5	.1
CONSTRUCTION	10.1	10.0	10.2	1.0	- .6
TRANSPORTATION AND PUBLIC UTILITIES	12.3	12.3	12.7	- .2	- 3.1
Communication, electric, gas services	5.6	5.7	6.3	- 1.1	- 10.7
WHOLESALE TRADE	16.5	16.5	16.7	.0	- .9
RETAIL TRADE	54.8	55.1	55.6	- .5	- 1.4
FINANCE, INSURANCE, AND REAL ESTATE	13.6	13.8	13.4	- .8	1.6
SERVICES	77.4	77.6	76.0	- .2	1.9
GOVERNMENT	67.3	65.5	67.4	2.7	- .1
Federal government	25.8	26.1	26.1	- 1.0	- .9
State government (includes education)	5.9	5.2	5.8	13.0	.5
Local government	35.6	34.3	35.5	4.0	.4
Local government, except education	12.8	13.0	12.8	- 2.0	- .5
Local government education	22.9	21.2	22.7	7.7	1.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
OCTOBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1983[b]	September 1983[c]	October 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$468.70	$464.40	$393.39	43.0	43.0	39.3	$10.90	$10.80	$10.01
Durable Goods[d]	468.50	465.70	393.82	43.1	43.2	39.5	10.87	10.78	9.97
Stone, clay, and glass products	373.86	406.83	393.50	39.9	40.4	37.8	9.37	10.07	10.41
Fabricated metal products	344.84	347.78	306.48	41.2	41.6	38.6	8.37	8.36	7.94
Machinery, except electrical	490.80	496.17	403.52	43.9	44.7	39.6	11.18	11.10	10.19
Metalworking machinery	462.97	465.41	399.12	43.8	43.7	39.4	10.57	10.65	10.13
Electric and electronic equipment	322.79	321.99	311.40	40.5	40.4	40.6	7.97	7.97	7.67
Electrical industrial apparatus	347.62	347.58	320.38	40.8	40.7	39.7	8.52	8.54	8.07
Transportation equipment	608.40	596.28	483.15	45.0	44.3	39.7	13.52	13.46	12.17
Nondurable Goods[e]	469.27	458.77	392.89	42.7	42.4	38.9	10.99	10.82	10.10
Food and kindred products	358.38	356.00	385.93	39.6	39.6	39.3	9.05	8.99	9.82
Paper and allied products	411.00	403.99	357.79	43.4	43.3	41.7	9.47	9.33	8.58
Printing and publishing	431.93	409.32	376.84	38.6	37.9	36.2	11.19	10.80	10.41
Rubber and misc. plastics products	607.85	591.78	472.01	45.6	44.9	38.5	13.33	13.18	12.26
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	537.97	546.93	541.94	38.1	38.9	39.5	14.12	14.06	13.72
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	477.50	466.32	403.33	40.5	40.2	36.5	11.79	11.60	11.05
WHOLESALE TRADE	347.28	350.24	311.12	42.3	42.3	40.3	8.21	8.28	7.72
RETAIL TRADE[f]	159.84	160.38	149.06	29.6	29.7	29.0	5.40	5.40	5.14
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
OCTOBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1983[b]	September 1983[c]	October 1982[c]	September 1983	October 1982
TOTAL	291.7	289.4	285.5	.8	2.2
MANUFACTURING	73.5	73.3	67.4	.3	9.0
Durable Goods[e]	56.8	56.0	52.1	1.5	9.0
Stone, clay, and glass products	11.7	11.7	11.7	.0	- .3
Primary metal industries	3.8	3.9	3.5	- 3.9	7.6
Fabricated metal products	8.3	8.1	7.0	3.3	18.8
Metal forgings and stampings	4.1	4.0	3.0	3.4	35.4
Machinery, except electrical	5.7	5.7	6.3	- .5	- 10.2
General industrial machinery	1.5	1.5	1.8	- 1.7	- 15.8
Transportation equipment	19.8	19.1	16.0	4.0	24.1
Motor vehicles and equipment	18.6	17.9	14.7	4.2	26.2
Nondurable Goods[f]	16.6	17.3	15.2	- 3.6	9.1
Food and kindred products	4.4	5.2	4.1	- 15.6	8.1
Rubber and misc. plastics products	4.1	3.9	3.2	4.6	26.5
NONMANUFACTURING[g]	218.3	216.1	218.1	1.0	.1
CONSTRUCTION	10.7	10.5	11.7	1.7	- 8.8
TRANSPORTATION AND PUBLIC UTILITIES	17.3	17.5	18.0	- .8	- 3.9
Communication, electric, gas services	7.4	7.4	7.6	- .4	- 3.4
WHOLESALE TRADE	14.2	14.2	14.5	.1	- 2.0
RETAIL TRADE	49.8	49.8	50.5	.0	- 1.4
FINANCE, INSURANCE, AND REAL ESTATE	11.0	11.1	10.8	- .4	2.0
SERVICES	66.6	66.4	65.0	.4	2.5
GOVERNMENT	48.0	46.2	47.0	4.0	2.0
State government (includes education)	15.5	14.1	15.2	10.0	1.5
Local government	29.8	29.4	29.1	1.5	2.6
Local government, except education	11.6	11.8	10.9	- 1.5	6.4
Local government education	18.2	17.6	18.2	3.5	.3

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
OCTOBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1983[b]	September 1983[c]	October 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$509.89	$500.46	$454.71	44.3	43.9	41.3	$11.51	$11.40	$11.01
Durable Goods[d]	539.69	525.67	468.76	45.2	44.1	41.3	11.94	11.92	11.35
Stone, clay, and glass products	515.39	509.52	484.65	43.9	43.4	42.7	11.74	11.74	11.35
Primary metal industries	519.59	488.43	434.09	47.8	45.1	41.5	10.87	10.83	10.46
Fabricated metal products	515.65	492.60	421.30	44.8	44.1	40.2	11.51	11.17	10.48
Metal forgings and stampings	547.94	538.02	452.32	43.8	44.1	38.3	12.51	12.20	11.81
Machinery, except electrical	444.80	438.13	411.20	41.3	41.1	39.5	10.77	10.66	10.41
General industrial machinery	498.61	504.11	460.21	41.9	41.8	39.1	11.90	12.06	11.77
Transportation equipment	620.02	607.94	540.56	46.9	45.2	42.1	13.22	13.45	12.84
Motor vehicles and equipment	619.55	606.14	538.86	46.9	45.1	42.0	13.21	13.44	12.83
Nondurable Goods[e]	402.37	413.66	404.58	41.1	43.0	41.2	9.79	9.62	9.82
Food and kindred products	410.82	467.03	417.78	41.0	47.9	42.5	10.02	9.75	9.83
Rubber and misc. plastics products	348.16	332.49	336.36	41.3	40.4	39.9	8.43	8.23	8.43
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	632.17	613.62	634.29	37.9	36.7	38.7	16.68	16.72	16.39
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	486.37	502.32	467.40	40.7	42.0	41.0	11.95	11.96	11.40
WHOLESALE TRADE	341.64	340.22	337.95	38.3	38.4	38.8	8.92	8.86	8.71
RETAIL TRADE[f]	163.79	164.35	157.79	29.3	29.4	28.9	5.59	5.59	5.46
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
OCTOBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1983[b]	September 1983[c]	October 1982[c]	September 1983	October 1982
TOTAL	185.8	186.3	180.9	- .2	2.7
MANUFACTURING	56.5	56.4	51.4	.1	9.9
Durable Goods[e]	51.3	51.2	46.3	.2	10.8
Stone, clay, and glass products	2.0	2.0	1.8	- 1.5	12.1
Primary metal industries	24.2	23.6	21.2	2.9	14.2
Blast furnace and basic steel products	10.1	9.6	9.2	5.6	9.8
Fabricated metal products	8.8	8.8	7.9	.7	12.2
Fabricated structural metal products	2.3	2.3	2.4	- 2.8	- 7.4
Machinery, except electrical	3.4	3.4	4.5	1.0	- 24.3
Metalworking machinery	1.3	1.3	2.3	.2	- 45.1
Electric and electronic equipment	2.6	2.6	2.7	.0	- 4.8
Transportation equipment	8.6[h]	9.4	6.4	- 7.6	35.4
Nondurable Goods[f]	5.2	5.2	5.1	- .4	2.5
NONMANUFACTURING[g]	129.3	129.8	129.5	- .4	- .2
CONSTRUCTION	5.4	5.3	5.8	.4	- 6.9
TRANSPORTATION AND PUBLIC UTILITIES	7.8	7.9	8.2	- .7	- 4.5
Communication, electric, gas services	3.1	3.2	3.2	- 1.3	- 2.9
WHOLESALE TRADE	8.0	8.0	8.0	.0	- .4
RETAIL TRADE	34.4	34.9	35.7	- 1.4	- 3.6
FINANCE, INSURANCE, AND REAL ESTATE	7.3	7.3	7.1	- .3	2.4
SERVICES	41.1	42.0	39.9	- 2.2	3.1
GOVERNMENT	24.2	23.3	23.8	4.0	1.8
Local government (includes education)	18.8	18.4	18.4	2.3	2.0

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
OCTOBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1983[b]	September 1983[c]	October 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]	Oct. 1983[b]	Sep. 1983[c]	Oct. 1982[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$554.40	$525.76	$455.09	44.0	42.4	39.3	$12.60	$12.40	$11.58
Durable Goods[d]	571.03	541.44	467.28	44.3	42.7	39.3	12.89	12.68	11.89
Stone, clay, and glass products	374.92	359.60	344.00	41.2	40.0	40.0	9.10	8.99	8.60
Primary metal industries	545.31	548.77	476.93	41.5	41.7	37.0	13.14	13.16	12.89
Blast furnace and basic steel products	498.97	510.23	485.41	38.8	39.4	35.2	12.86	12.95	13.79
Fabricated metal products	649.54	604.80	440.44	47.0	45.0	38.1	13.82	13.44	11.56
Fabricated structural metal products	416.70	405.97	365.25	40.3	39.3	37.5	10.34	10.33	9.74
Machinery, except electrical	422.67	451.58	440.42	36.5	38.4	38.0	11.58	11.76	11.59
Metalworking machinery	436.99	468.18	466.48	38.4	40.5	39.7	11.38	11.56	11.75
Electric and electronic equipment	412.93	381.60	395.93	41.5	40.0	41.2	9.95	9.54	9.61
Transportation equipment	736.39	601.55	575.65	53.4	45.4	46.2	13.79	13.25	12.46
Nondurable Goods[e]	357.06	343.88	335.71	40.3	38.9	38.9	8.86	8.84	8.63
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	543.84	571.14	593.25	35.2	36.8	38.2	15.45	15.52	15.53
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	476.49	461.77	435.11	40.9	40.4	39.7	11.65	11.43	10.96
WHOLESALE TRADE	327.25	329.42	315.83	36.2	36.2	37.2	9.04	9.10	8.49
RETAIL TRADE[f]	167.29	167.27	157.14	29.4	29.5	29.1	5.69	5.67	5.40
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Labor Market Information Division
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Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216